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AEC APPROVES EIGHTEEN RESEARCH PROPOSALS  
 IN BIOLOGY AND MEDICINE

Dr. Sadusk  
 Dr. McCormack  
 Dr. Fitzpatrick  
 Capt. Metcalf  
 Maj. ...  
 Maj. Brugger

The Atomic Energy Commission Division of Biology and Medicine has approved 18 research proposals in the field of biology and medicine during the past three months, Dr. Shields Warren, Division Director, announced today.

Negotiations leading to the award of contracts covering the newly-approved research projects are now underway. The contracts will be awarded by the AEC Operations Office nearest the institution conducting the research.

Approval of the proposals was recommended in each case by the AEC Advisory Committee on Biology and Medicine.

The award of contracts to the 18 institutions involved will bring to a total of 150 the number of AEC-supported research projects being carried on in medicine, biology, cancer studies and biophysics at universities, hospitals and research centers. Approximately \$5,000,000 has been earmarked by the AEC for support of such research in non-government agencies during fiscal year 1950.

The institutions submitting the newly-approved proposals are:

Medicine:

1. Massachusetts General Hospital (Drs. William M. Sweet and Bertram Selverstone): For the use of phosphorus-32 in the precise localization of brain tumors. Negotiating authority: New York Operations Office.

2. University of Oregon Medical School (Dr. Edward E. West): For a study of labeled acetic acid and ethanol in relation to fat metabolism. Negotiating authority: Hanford Operations Office.

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3. University of Tennessee (Dr. E. F. Williams): For research in pathology, physiology and chemistry. Negotiating authority: Oak Ridge Operations Office.

4. Presbyterian Hospital of the City of Chicago (Dr. R. Gordon Gould): For study of the mechanism of CO<sub>2</sub> fixation. Negotiating authority: Chicago Operations Office.

5. Peter Bent Brigham Hospital (Dr. Francis D. Moore): For study of intracellular changes in trauma depletion and repair; and biochemical studies in the human being with the aid of isotopes. Negotiating authority: New York Operations Office.

6. University of Denver (Dr. Frank M. D'Amour): For study of the physiologic and pathologic effects of radioactive cobalt. Negotiating authority: Santa Fe Operations Office.

7. Harvard University (Dr. Thomas H. Ham and Dr. William B. Castle): For study of the destruction of red blood cells. Negotiating authority: New York Operations Office.

8. Harvard University (Dr. S. P. Hicks): For study of the effects of radiation upon the development of rat embryos. Negotiating authority: New York Operations Office.

9. Syracuse University (Dr. E. L. Lozner): For study of the defenses against hemorrhages. Negotiating authority: New York Operations Office.

10. Washington University, St. Louis (Dr. Frank Dixon): For investigation of the effects of agents used in the treatment of cancer; and study of X-ray and nitrogen mustards on the immunologic response of experimental animals. Negotiating authority: Chicago Operations Office.

11. University of Illinois (Dr. A. C. Ivy): For irradiation of gastric mucosa by intragastric instillation of radioactive isotopes. Negotiating authority: Chicago Operations Office.

Biology:

12. Iowa State College (Dr. S. Aranoff): For study of the metabolism and physiology of roots, and (Dr. R. E. Sealock): For study of combined biochemical and physiological action of

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throsine and vitamin B<sub>12</sub>. Negotiating authority: Chicago Operations Office.

13. Agricultural and Mechanical College of Texas (Dr. Raymond Reiser and Dr. Kenneth Kuiken): For study of the metabolism of glycerines. Negotiating authority: Oak Ridge Operations Office.

14. University of Pennsylvania (Dr. D. Wright Wilson): For study of the synthesis of isotopic carbon compounds used in biochemistry. Negotiating authority: New York Operations Office.

15. University of Chicago (Dr. E.M.K. Gelling): For the study of biosynthesis of radioactive drug compounds. Negotiating authority: Chicago Operations Office.

16. University of Wisconsin Agriculture Experiment Station (Drs. B. W. Burris and P. W. Wilson): For studies of biological nitrogen fixation with isotopic tracers; and study of the metabolism of organic acids in higher plants and microorganisms. Negotiating authority: Chicago Operations Office.

Applied Biophysics:

17. University of Washington (Dr. F. W. Church and Dr. Raymond Allen): For meteorological studies. Negotiating authority: Hanford Operations Office.

18. University of Washington (Dr. Robert G. Fleagle): For meteorological studies. Negotiating authority: Hanford Operations Office.

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